MURR ELEKTRONIK
stay connected

MEF EMC-FILTER 1-PHASE 2-STAGE

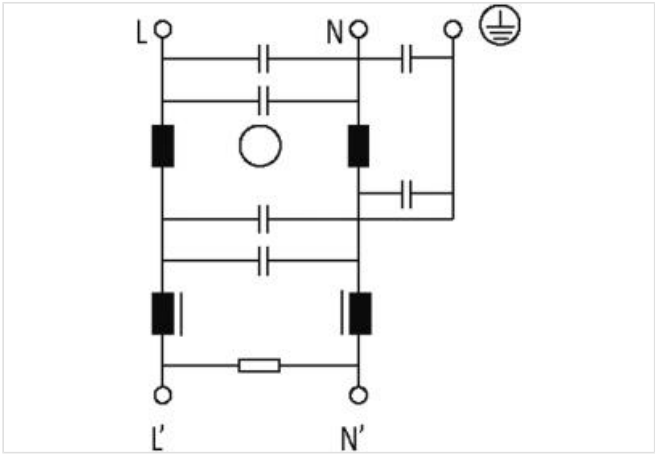
I:4A U:250 VAC/300 VDC snap on

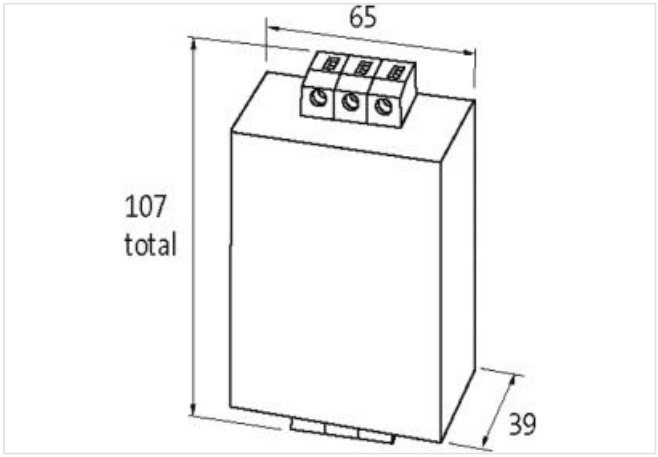
Current: 4 A
DIN-rail mountable
Attenuation curves on request.
against symmetrical interferences
The single phase 2-stage EMC filters MEF 1/2 are used in the range 0.1...30 MHz to suppress cable carried interference on mains and control cables. The best filter performance is achieved by using short connection wires (suggestion: earth connection < 10 cm) and the largest possible diameter. The EMC filters work bi-directionally (in both directions). The filters are for demanding applications. The filters are designed for use with fixed modules. One step of the filter is always for the suppression of asymmetrical interferences (magnetically compensated suppression). The second step is, dependant on application for symmetrical or asymmetrical interferences.

Link to Product

Illustration







Product may differ from Image

General product information

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Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-03-28

Suitable for application range	Devices with high repetition rates of switching operations, Phase angle control, Power Supply Units, after transformers, supply of universal motors
Suitable for type of fault	symmetrical interferences
Commercial data	
ECLASS-6.0	27130806
ECLASS-6.1	27420201
ECLASS-7.0	27420290
ECLASS-8.0	27420290
ECLASS-9.0	27420290
ECLASS-10.1	27420208
ECLASS-11.1	27420208
ECLASS-12.0	27420208
ETIM-5.0	EC002498
customs tariff number	85363010
GTIN	4048879029353
Packaging unit	1
Electrical data	
Leakage current max.	5 mA @ 250 V AC, 50 Hz
Electrical data | Supply	
Power frequency	50 ... 60 Hz
Operating voltage AC max.	250 V
Operating voltage DC max.	300 V
Electrical data | Output	
Overload current	18× (IN t) max. 0.5 ms; 1.5× (IN t) max. 1 min. (1× per hour)
Installation	
Connection cross-section solid min.	0,2 mm²
Connection cross-section solid max.	6 mm²
Connection cross-section stranded/fine-stranded min.	0,2 mm²
Connection cross-section stranded/fine-stranded max.	4 mm²
AWG number solid min.	24
AWG number solid max.	9
AWG number stranded/fine stranded min.	24
AWG number stranded/fine stranded max.	11
Device protection | Electrical	
Duration insulation test voltage	2 s
Insulation test voltage L-L	2,1 kV
Insulation test voltage L-N	2,7 kV
Mechanical data | Mounting data	
Mounting method	geschnappt
Suitable for mounting type	Mounting rail TH35, (EN 60715)
Height	107 mm
Width	56 mm
Depth	39 mm
Environmental characteristics | Climatic	
Climatic category (EN IEC 60068-1)	25/085/21
Connection type 3	
Connection	Screw terminals SK
Family construction form	terminal
Gender	female

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Color contact carrier	green-yellow
No. of poles	1
PIN 1	PE
Connection	Screw terminals SK
Family construction form	terminal
Color contact carrier	gray
No. of poles	2
PIN 1	L
PIN 2	N
Connection	Screw terminals SK
Family construction form	terminal
Color contact carrier	gray
No. of poles	2
PIN 1	L'
PIN 2	N'

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